

Fig. 1

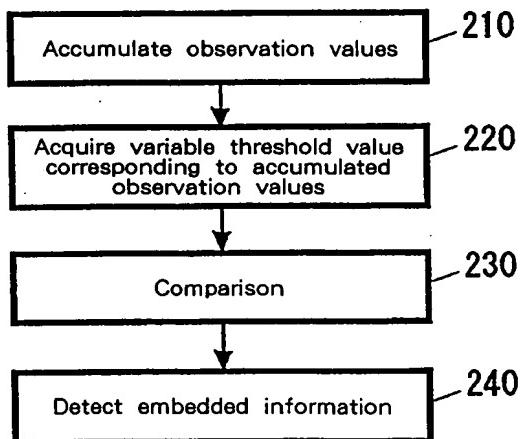


Fig. 2

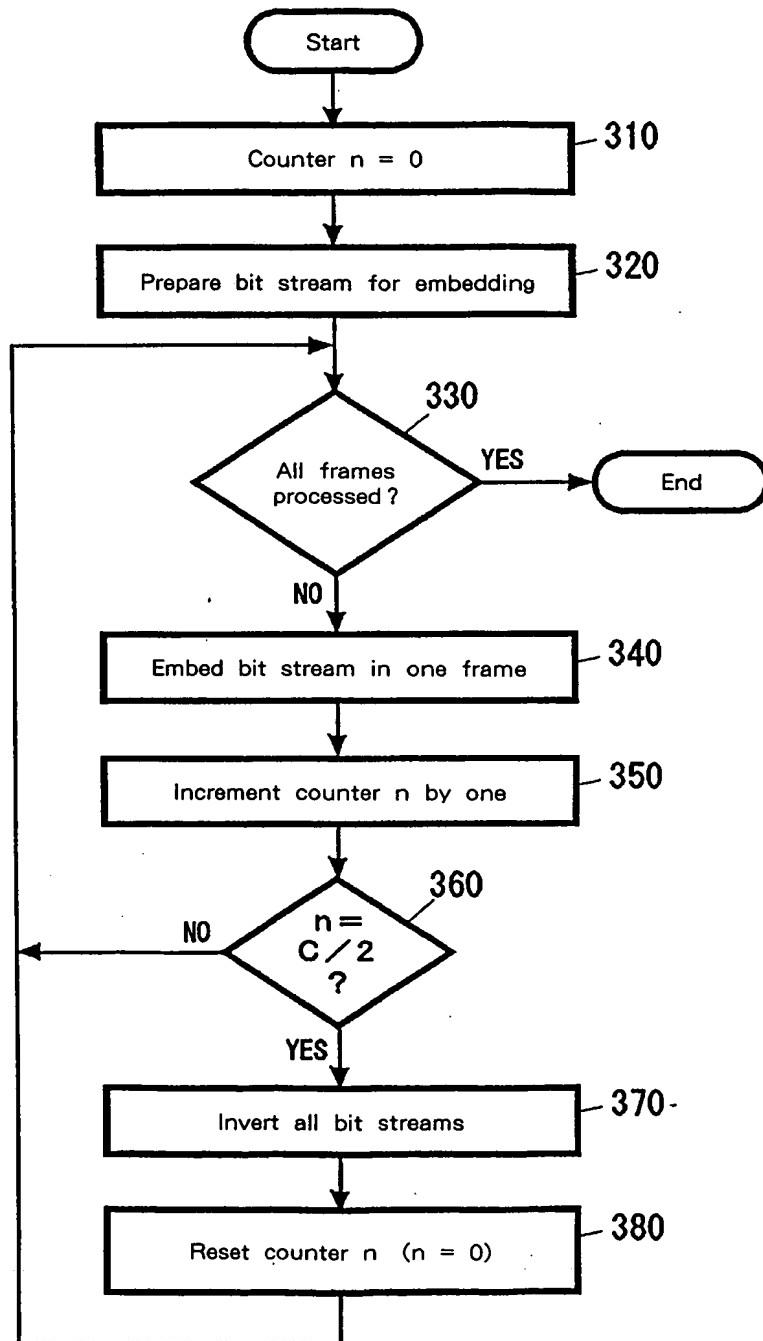


Fig. 3

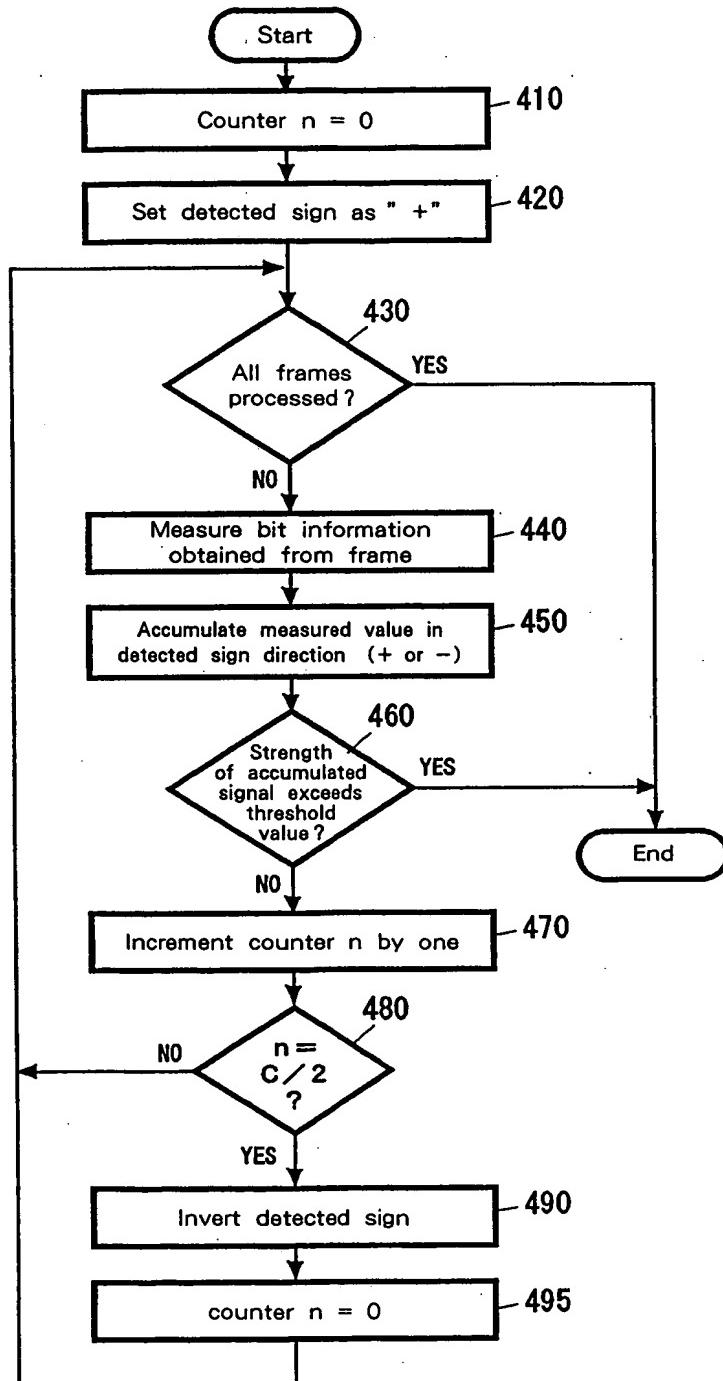


Fig. 4

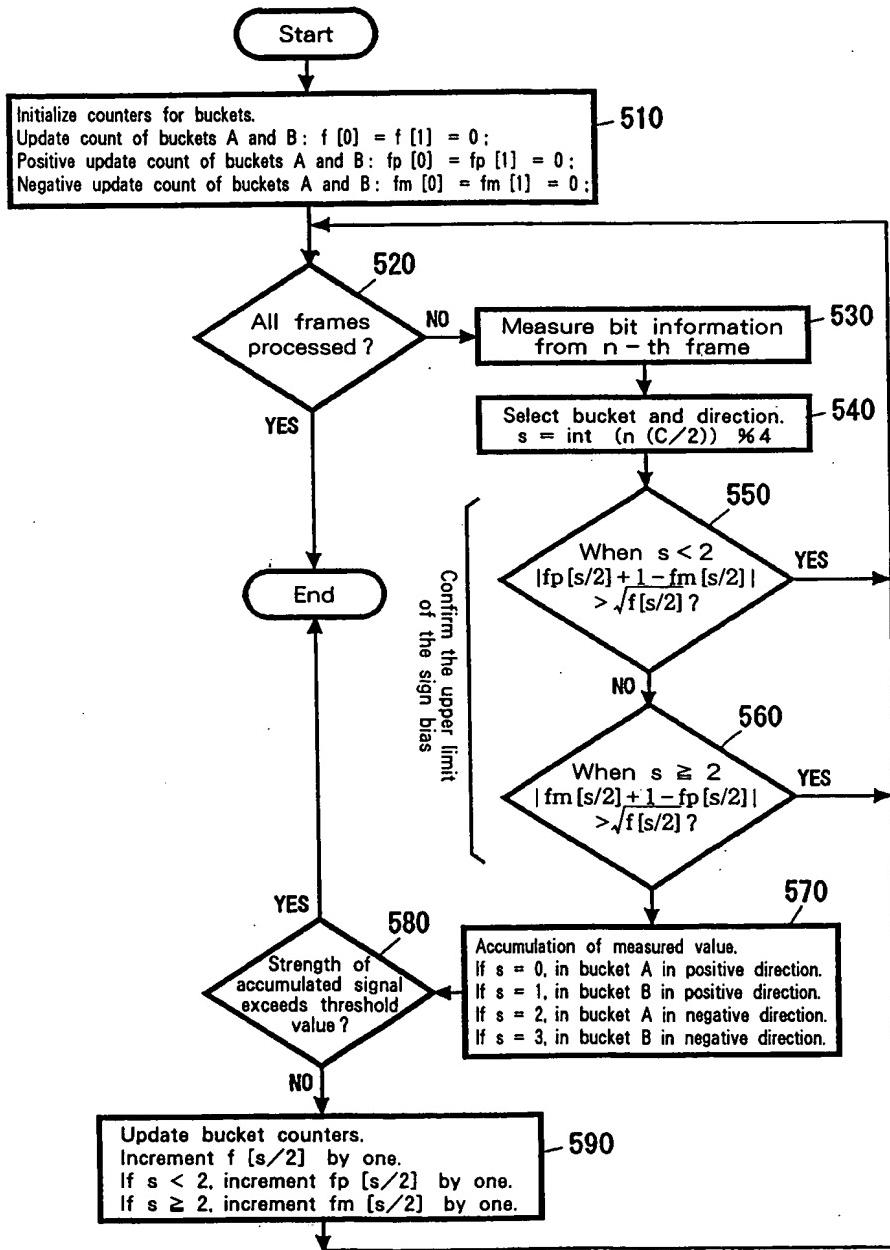


Fig. 5

JA9 - 98 - 036X

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Cycle : <=====X=====X=====X=====X=====X=====X=====>
Embedding : -----+-----+-----+-----+-----+-----+
Detection : (+) * * * * * * *
(-) * * * * * * *

Fig. 6

Cycle : <=====X=====X=====X=====X=====X=====X=====>
Embedding : -----+-----+-----+-----+-----+-----+
I frame : | | | | | | | |
Bucket A : +++ - - + + - + + - + + - + +
Bucket B : - - + + - - + + - + + - - + +

Fig. 7

Cycle : <=====X=====X=====X=====X=====X=====X=====>
Embedding : -----+-----+-----+-----+-----+-----+
I frame : | | | | | | | |
Bucket A : +
Bucket B : - - + + + + + + + + + + + + + + + + + +

Fig. 8

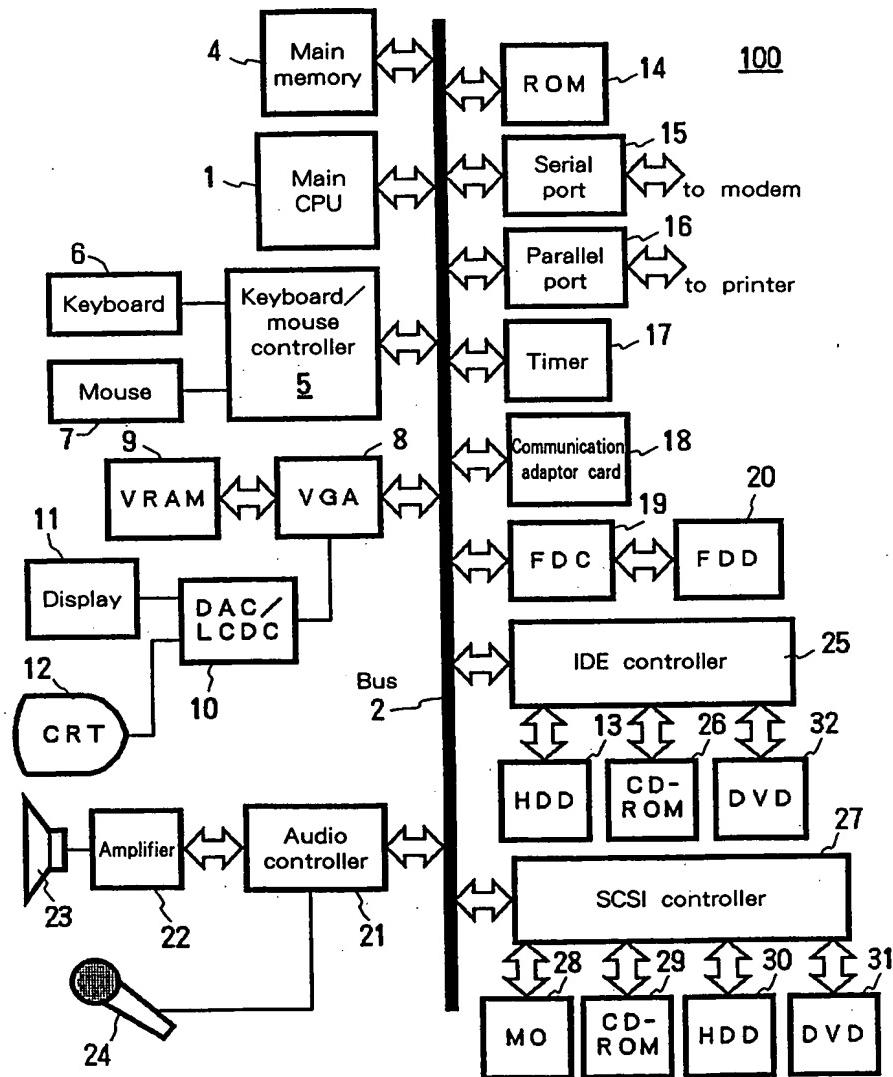


Fig. 9

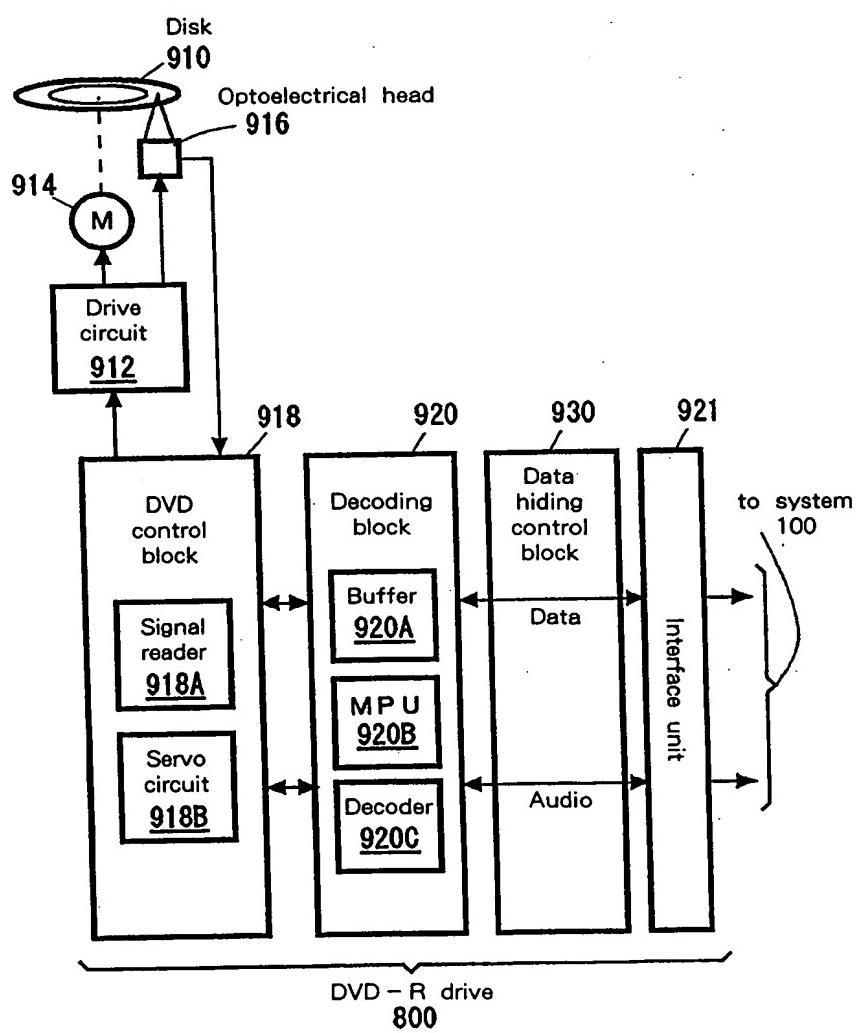


Fig. 10

JA9 - 98 - 036X

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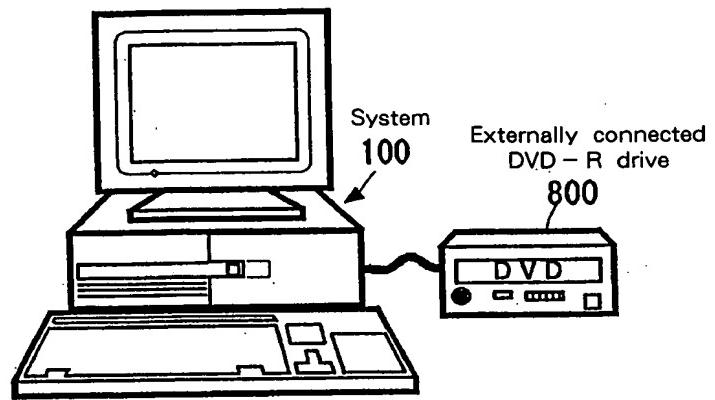


Fig. 11

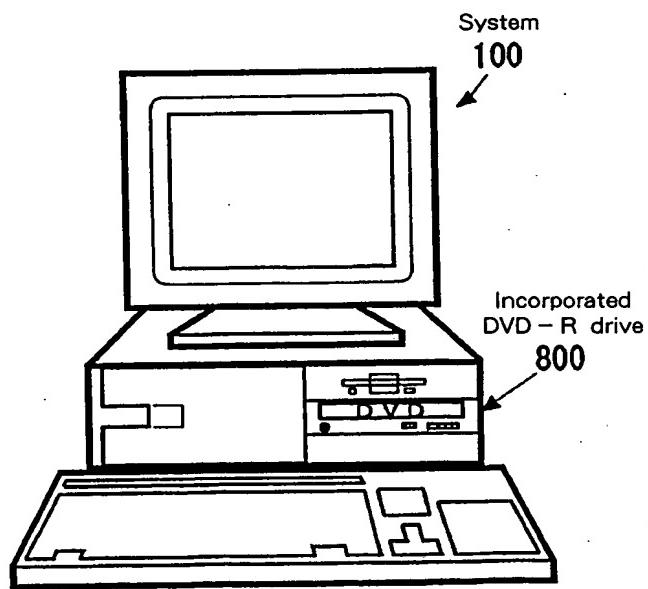


Fig. 12

JA9 - 98 - 036X

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[Expression 1]

$$U[i] = \frac{1}{\sqrt{f}} (V_{-(k+1)}[i] + (V_{-(k+2)}[i]) + \dots + (V_{-(k+f)}[i]))$$